

## Notes on Japanese Myxomycetes I. A New Species of *Licea*

Yukinori YAMAMOTO

██████████ Kochi-shi, 781 ████████ JAPAN

日本産真性粘菌雑記 I

リケア属の1新種

山本幸憲

781 ████████ 高知市 ██████████

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A new myxomycete, *Licea craterioides* Y. Yamamoto was described and illustrated from Japan. This is easily distinguished from the species of *Licea* hitherto known by its sessile goblet-shaped sporangia and pre-formed lids similar to those of *Craterium* species.

In the course of my studies on the myxomycetes of Shikoku District, I found an interesting species which had very small, sessile goblet-shaped sporangia. It proved on examination to be a species new to science. The description and illustration are given below.

***Licea craterioides* Y. Yamamoto, sp. nov.**  
(Fig. 1)

Sporangia dispersa vel laxe gregaria, sessilia, subglobosa, obovoidea vel breviter cylindracea, usque ad 0.4 mm alta et 0.2 mm diam., brunnea vel brunneola; peridium simplex, nitens, laeve, interdum striatum, luce transmissa minute et dense verruculosum; dehiscencia circumscissilis ab operculo; operculum plerumque convexum et atrobrunneum; sporae subglobosae vel globosae, laeves, cinereobrunneae cum area pallida luce transmissa, 11.0–12.7  $\mu$ m diam.; plasmodium ignotum.

Sporangia scattered to loosely gregarious, sessile, subglobose, obovoid or shortly cylindrical,

up to 0.4 mm in total height and up to 0.2 mm in diam., brown, reddish brown or grayish brown; hypothallus obscure; peridium single, shining, smooth, sometimes striate, darker towards the base, when seen under high magnification, membranous, translucent, minutely and densely verruculose, deposited with refuse matter in the inner surface; dehiscence circumscissile by a pre-formed lid; lid brown, dark brown or nearly black, usually convex to nearly flat, rarely sunken; spores subglobose to globose, smooth, reddish brown to dark brown in mass, grayish brown in transmitted light, the wall thick and paler on one side, 11.0–12.7  $\mu$ m (mean = 11.7, sd = 0.48, no = 20) in diam.; plasmodium unknown.

Holotype: On the bark of living *Pinus thunbergii* Parl., Aki High School premises, Seiwa-cho, Aki-shi, Kochi Pref. Y. Yamamoto 7965, Jun. 27 1989, TNS.

This species belongs to the subgenus *Orcadella* (Wingate) Nann.-Brem. which includes species with

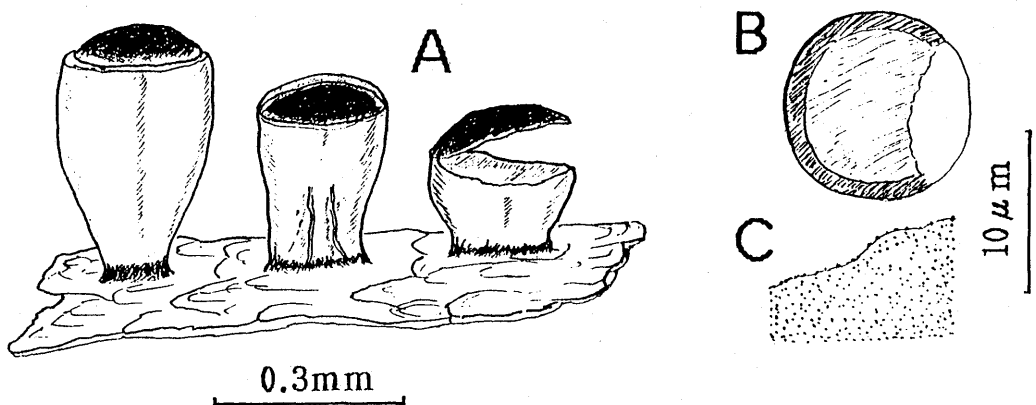


Fig. 1. *Licea craterioides* Y. Yamamoto. A: three sporangia. B: a spore. C: part of the peridium.

pre-formed lids. This is easily distinguished from the species of *Licea* hitherto known by its unique sessile goblet-shaped sporangia and its pre-formed lids similar to those of *Craterium* species. The name refers to its *Craterium*-like figure.

#### 要 旨

高知県立安芸高校の、校庭の黒松の樹皮上で、1989年夏採集した粘菌を検討中、クラテリウム属によく似た、盃形をした微小な菌が目についた。研究の結果、リケア属の新種と判断したので、その形態から、*Licea craterioides* と命名し、記載をした。